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ARRAY OF OLIGONUCLEOTIDES ON A SOLID substrate  
~~VERY LARGE SCALE IMMOBILIZED POLYMER SYNTHESIS~~

## ABSTRACT OF THE DISCLOSURE

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A method and apparatus for preparation  
of a substrate containing a plurality of sequences.  
Photoremovable groups are attached to a surface of a  
substrate. Selected regions of the substrate are exposed  
10 to light so as to activate the selected areas. A  
monomer, also containing a photoremovable group, is  
provided to the substrate to bind at the selected areas.  
The process is repeated using a variety of monomers such  
as amino acids until sequences of a desired length are  
15 obtained. Detection methods and apparatus are also  
disclosed.

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